

Amendments to the Claims

1. (Currently Amended) A Data data transmission system comprising at least a data transmission network based upon an IP protocol, at least a content server for providing data requested by a user connected to the network, a plurality of proxies having a cache function, each proxy capable of having stored the requested data, and one of the proxies being a user proxy to which is addressed the request sent by the user one of the proxies comprising a user proxy which receives any request for data from the user, and a domain name server for converting a server name provided by the user to the user proxy into an IP address of the content server;

wherein the domain name server includes a table means for providing an IP address of a proxy amongst the plurality of proxies capable of having stored the requested data, the table means providing the proxy IP address to the user proxy, which provides the request for data to the proxy storing the requested data whereby the requested data can be provided to the user by the proxy storing the requested data without requesting the data from the content server.

2. (Currently Amended) A Method method for obtaining data in an optimized way in a data transmission system comprising at least a data transmission network based upon an IP protocol, at least a content server for providing data requested by a user connected to the network, a plurality of proxies having a cache function, each proxy capable of having stored the requested data, and one of the proxies being a user proxy to which is addressed the request sent by the user one of the proxies comprising a user proxy which receives any request for data from the user, and a domain name server for converting a server name provided by the user to the user proxy into an IP address of the content server;

the method including the steps of comprising:

a) determining if a table stored in the domain name server contains an entry corresponding to the server name provided by the user to the user proxy looking for an entry of a table stored in the domain name server corresponding to the server name when the user proxy has not stored the data requested by the user, and

b) determining, when there is such an entry in the table, whether the entry

includes an address of a proxy amongst the plurality of proxies;
c) returning the proxy IP address to the user proxy if such a proxy IP address is included in the entry corresponding to the server name, and

d) sending the user request from the user proxy to the proxy IP address included in the entry.

3. (Cancelled).

4. (Currently Amended) Method according to claim 2, further comprising:

determining whether the user proxy is a known proxy ~~when the entry in the table does not include the address of a proxy~~, the user proxy being a known proxy when it is contained in a list of proxies provided to the domain name server at an initialization of the system.